

Yorkshire Dales National Park

Forecast valid from 06:00 on Thursday 28 Dec 2023 until 23:59 on Friday 29 Dec 2023

Forecast Issued on Thursday 28 Dec 2023 at 04:35

Confidence: High confidence for unsettled conditions, lower confidence for detail towards the end of the week.

Headline for Thursday 28 Dec 2023: Upland gales. Chance of Storm force winds across summits. Squally showers.

Mountain weather hazards on Thursday 28 Dec 2023

Blizzards

No Likelihood

Heavy persistent snow

No Likelihood

Storm force winds

Medium Likelihood

Gales

High Likelihood

Severe chill effect

Medium Likelihood

Poor visibility

Medium Likelihood

Thunderstorms

Low Likelihood

Heavy persistent rain

High Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Light rain	Heavy Rain	Thunderstorm	Heavy rain showers	Heavy rain showers (night)	Sleet
Precipitation probability					
90%	60%	70%	40%	40%	30%

Forecast for Thursday 28 Dec 2023

Weather: A windy day with passing, squally showers of rain, hail and chance of sleet across highest summits. Showers may be heavy with a chance of thunder and will merge to longer spells of rain during the morning. Brief brighter spells with some clear spells through Thursday afternoon and evening. Feeling colder than recently.

Chance of cloud-free hill tops above 600m: 30%.

Low Cloud and visibility: Broken to overcast bases around 500m in showers and longer spells of rain.

Forecast for Thursday 28 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	29/39 SW	29/39 SW	33/46 SW	34/47 SW	29/43 SW	34/50 SW	34/50 SW
300	17/35 SW	16/35 SW	20/42 SW	21/43 SW	19/40 SW	22/45 SW	22/45 SW
Valley	11/29 SW	14/34 SW	19/42 SW	19/41 SW	17/38 SW	20/43 SW	20/43 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/-4	4/-3	4/-2	4/-3	3/-4	2/-5	2/-5
300	6/1	6/2	7/2	6/1	5/0	5/-0	5/-0
Valley	7/4	7/4	8/4	8/4	7/3	7/2	6/2
Freezing Level*	1000m	1100m	1300m	1000m	1000m	1000m	900m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Conditions will be very hazardous at times, with water courses running higher than normal. Full protection advised.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Thu 28 Dec 2023	45.8mm	46.6mm	55mm

Forecast for Friday 29 Dec 2023

Weather: A little less windy during Friday with blustery showers, which could be rather heavy with chance of small hail. Showers likely to merge to longer spells of rain with sleet and snow increasingly likely towards summits. Probably cloudy throughout and feeling cold through the day.

Maximum wind: W or SW with gusts reaching around 60mph in the early morning.

Chance of cloud-free hill tops above 600m: 30%.

Low Cloud and visibility: Scattered or broken bases around 500-600m in showers and longer spells of rain.

Temperature: **Valleys:** Plus 7 degrees Celsius becoming plus 4 degrees Celsius later.
At 600m: Plus 1 degrees Celsius becoming minus 2 degrees Celsius in the evening.
Freezing level: 700m becoming 500m late in the day.